

# Morbidity and Mortality

Weekly  
Report

PUBLIC HEALTH SERVICE

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the

COMMUNICABLE DISEASE CENTER

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Atlanta 22, Georgia

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## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended April 29, 1961

**Hepatitis** - Sustained high incidence continues. The total of 1,831 reported cases is essentially equal to the total of 1,821 of last week. For the past fourteen consecutive weeks the incidence of this disease has remained at a high plateau of 1,700 cases or over. There appears no indication of the usual seasonal decline expected in the late spring. The high incidence is nationwide in extent except for the New England States. Marked increases in incidence were reported this week from Missouri, Michigan and Kansas. Decreases were observed in Alabama, Georgia, Kentucky and Utah.

This week marks the initiation of nationwide reporting of cases of hepatitis by age - under 20 years and 20 years or over. A total of 33 States reported this age classification in this week's telegram of incidence of notifiable diseases. These data are presented in the accompanying table. In New Jersey, sharp concentration of cases, (78 percent), among adults is noteworthy. This trend has been consistent throughout the year (MMWR Vol. 10, No. 11, for week ended March 18 (1961). In New York City, the concentration among adults (66 percent) is also reported. Elsewhere, other than Oregon, cases have been predominantly among persons under 20 years of age.

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	17th Week			Cumulative						Approximate seasonal low point
	Ended April 29, 1961	Ended April 30, 1960	Median 1956-60	First 17 weeks			Since seasonal low week			
				1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
* Weekly incidence low or sporadic										
--- Data not available										
- Quantity zero										
Anthrax-----062	1	-	*	2	6	*	*	*	*	*
Botulism-----049.1	-	-	*	4	3	*	*	*	*	*
Brucellosis (undulant fever)-----044	10	22	20	177	270	265	*	*	*	*
Diphtheria-----055	5	19	19	234	270	304	814	807	1,010	July 1
Encephalitis, infectious-----082	32	41	35	443	473	427	443	473	427	Jan. 1
Hepatitis, infectious, and serum-----092, N998.5 pt.	1,831	875	398	30,466	13,252	8,294	45,673	21,071	13,807	Sept. 1
Malaria-----110-117	2	1	*	13	16	*	*	*	*	*
Measles-----085	18,177	19,917	19,917	219,094	224,328	266,599	255,304	259,772	303,268	Sept. 1
Meningitis, aseptic-----340 pt.	21	31	---	410	483	---	410	483	---	Jan. 1
Meningococcal infections-----057	36	43	51	834	896	965	1,490	1,595	1,774	Sept. 1
Poliomyelitis-----080	5	8	29	133	260	379	30	44	86	Apr. 1
Paralytic-----080.0, 080.1	3	6	21	82	188	268	22	34	60	Apr. 1
Nonparalytic-----080.2	2	2	5	28	44	63	3	8	15	Apr. 1
Unspecified-----080.3	-	-	3	23	28	48	5	2	11	Apr. 1
Psittacosis-----096.2	1	1	*	19	35	*	*	*	*	*
Rabies in man-----094	-	-	*	2	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050, 051	7,489	7,551	---	158,029	145,601	---	255,681	---	---	Aug. 1
Typhoid fever-----040	10	9	16	165	170	235	50	43	55	Apr. 1
Typhus fever, endemic-----101	-	2	*	9	11	*	*	*	*	*
Rabies in animals-----	95	78	95	1,219	1,418	1,719	1,795	2,402	2,501	Oct. 1

Anthrax - Pennsylvania 1.

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ATLANTA 22, GEORGIA

HEPATITIS CASES BY AGE\*  
WEEK ENDED APRIL 29, 1961

State	Under 20 Years	20 Years and Over	Age Un- specified	Total
Maine	4	3	—	7
N. H.	1	1	3	5
Vermont	0	0	—	0
Mass.	1	3	—	4
R. I.	1	1	—	2
Conn.	7	4	2	13
N. Y. C.	10	19	—	29
Upst. N. Y.	28	29	1	58
N. J.	15	53	—	68
Indiana	37	20	2	59
Illinois	34	16	11	61
Minn.	29	16	2	47
Iowa	33	9	14	56
Missouri	50	17	3	70
N. D.	3	0	—	3
S. D.	3	1	—	4
Kansas	25	8	—	33
Maryland	11	3	1	15
Virginia	7	8	4	19
W. Virginia	36	10	6	52
N. Carolina	30	9	—	39
Georgia	0	1	—	1
Florida	30	9	1	40
Tennessee	69	29	—	98
Alabama	19	3	—	22
Arkansas	23	7	—	30
Oklahoma	10	5	—	15
Texas	43	16	17	76
Mont.	8	1	1	10
N. M.	3	1	2	6
Utah	2	3	—	5
Washington	29	26	6	61
Oregon	11	15	2	28
Alaska	2	3	—	5

\*States not reporting age classification are not listed.

## EPIDEMIOLOGICAL REPORT

### Infectious Hepatitis Traced to Raw Clams

On May 1, 1961, Dr. Roscoe B. Kandle, State Commissioner of Health of New Jersey, closed the New Jersey areas of Raritan Bay to the taking of shellfish. Later the same day similar restrictions were placed on the New York areas of the Bay and clams from these grounds were prohibited from the Fulton Fish Market by New York City. This action followed upon intensive and extensive investigations of hepatitis cases and clam distribution during the past several weeks in which a large number of Public Health Service personnel have joined with even larger numbers of State and local health authorities in studying the problem. Activities have centered largely in New Jersey but they have extended from Massachusetts to Florida and westward to Ohio.

The first indication of the possible existence of a common source of hepatitis infection arose in March 1961 with the recognition of an abnormal concentration of cases among adult males in New Jersey (MMWR, 1961, Vol. 10, No. 11). Similar adult concentrations were not found in other States felt to be representative of the nation. Later investigations revealed that in localized areas, specifically in Nassau and Westchester Counties of New York, equally sharp adult distributions were occurring but this pattern did not apply elsewhere in the State or in New York City.

Epidemiological investigations of individual reported cases in New Jersey revealed that among 370 cases questioned 201 or 54 percent admitted eating raw clams within 60 days of onset. In three selected areas of this State — Woodbridge Township, Monmouth County, and Newark — adult controls chosen on the basis of living in adjacent blocks to a reported case were interviewed. Only 44 of 453 adults, 10 percent, gave a similar history of eating clams. Careful surveys of cases of hepatitis in New York City using matched controls also revealed a positive correlation between the disease and eating clams although the differences were not as marked as those found in New Jersey. In Nassau County, New York, 22 of 47 cases interviewed gave a history of raw clam consumption but no figures on comparable controls are as yet available.

Attempts to trace the sources of contaminated clams proved to be a difficult undertaking. The long incubation period, 15 to 50 days, required the interviewers to attempt to secure accurate details from patients of clam consumption as far back as two to three months or longer. Multiple sources were often encountered and regular suppliers of certain restaurants often secured their clams from different areas. In many cases, therefore, it was not possible to specify the exact source of the clams eaten.

In a few cases, however, single sources of clam consumption could be clearly established. These pointed strongly to Raritan Bay. For the many cases in which several different sources may have been involved, it was possible to check to determine whether or not clams from Raritan Bay could have been one of the sources. These cases were then classified as "consistent with a Raritan Bay source."

According to data collected and tabulated through May 1, 1961, a total of 105 cases in New Jersey have been investigated. Of these 102 are classified as "consistent with a Raritan Bay source" and only 3 are "inconsistent." In other States including New York, Delaware, Rhode Island, and Massachusetts a total of 9 cases of hepatitis with a positive history of clam consumption have been investigated. Each of these has been found to be "consistent with a Raritan Bay source" and none has yet to be found inconsistent.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 30, 1960 AND APRIL 29, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Polio myelitis 080										Menin- gitis, aseptic	Brucel- losis (undul- ant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	17th Week		Cumulative, first 17 weeks		17th Week		Cumulative, first 17 weeks					
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	340 pt.	044
UNITED STATES-----	5	8	133	260	3	6	82	188	2	2	21	10
NEW ENGLAND-----	-	1	3	8	-	1	3	8	-	-	-	-
Maine-----	-	1	-	4	-	1	-	4	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	-	2	4	-	-	2	4	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	1	-	-	-	1	-	-	-	-	-
MIDDLE ATLANTIC-----	1	1	12	38	-	1	9	27	1	-	3	1
New York-----	-	1	5	31	-	1	4	21	-	-	2	1
New Jersey-----	-	-	4	5	-	-	3	5	-	-	1	-
Pennsylvania-----	1	-	3	2	-	-	2	1	1	-	-	-
EAST NORTH CENTRAL-----	2	1	19	31	2	-	13	9	-	1	4	1
Ohio-----	-	-	8	15	-	-	4	3	-	-	-	-
Indiana-----	-	-	2	-	-	-	2	-	-	-	1	-
Illinois-----	2	-	5	4	2	-	5	3	-	-	2	1
Michigan-----	-	1	1	10	-	-	1	3	-	1	1	-
Wisconsin-----	-	-	3	2	-	-	1	-	-	-	-	-
WEST NORTH CENTRAL-----	-	-	4	14	-	-	3	8	-	-	-	5
Minnesota-----	-	-	1	8	-	-	1	6	-	-	-	-
Iowa-----	-	-	1	3	-	-	-	1	-	-	-	3
Missouri-----	-	-	-	2	-	-	-	1	-	-	-	-
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota-----	-	-	-	1	-	-	-	-	-	-	-	-
Nebraska-----	-	-	2	-	-	-	2	-	-	-	-	-
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	2
SOUTH ATLANTIC-----	-	1	13	44	-	1	9	36	-	-	1	-
Delaware-----	-	-	2	-	-	-	1	-	-	-	-	-
Maryland-----	-	-	-	1	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia-----	-	-	2	3	-	-	1	3	-	-	-	-
North Carolina-----	-	1	3	14	-	1	2	14	-	-	-	-
South Carolina-----	-	-	1	2	-	-	1	2	-	-	-	-
Georgia-----	-	-	2	3	-	-	2	2	-	-	1	-
Florida-----	-	-	3	21	-	-	2	15	-	-	-	-
EAST SOUTH CENTRAL-----	-	-	14	8	-	-	3	7	-	-	1	1
Kentucky-----	-	-	13	6	-	-	2	5	-	-	-	-
Tennessee-----	-	-	-	-	-	-	-	-	-	-	-	1
Alabama-----	-	-	-	1	-	-	-	1	-	-	-	-
Mississippi-----	-	-	1	1	-	-	1	1	-	-	1	-
WEST SOUTH CENTRAL-----	1	3	17	24	1	2	8	18	-	1	1	1
Arkansas-----	-	-	1	-	-	-	-	-	-	-	-	1
Louisiana-----	1	1	5	6	1	1	3	5	-	-	-	-
Oklahoma-----	-	1	-	2	-	1	-	2	-	-	1	-
Texas-----	-	1	11	16	-	-	5	11	-	1	-	-
MOUNTAIN-----	1	-	17	14	-	-	10	8	1	-	1	-
Montana-----	-	-	1	4	-	-	1	3	-	-	-	-
Idaho-----	-	-	3	4	-	-	1	1	-	-	-	-
Wyoming-----	-	-	-	1	-	-	-	-	-	-	-	-
Colorado-----	-	-	3	1	-	-	3	1	-	-	1	-
New Mexico-----	-	-	1	1	-	-	-	-	-	-	-	-
Arizona-----	1	-	3	2	-	-	1	2	1	-	-	-
Utah-----	-	-	6	1	-	-	4	1	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	-	1	34	79	-	1	24	67	-	-	10	1
Washington-----	-	-	3	6	-	-	-	6	-	-	2	-
Oregon-----	-	-	2	12	-	-	1	8	-	-	-	-
California-----	-	1	28	59	-	1	22	51	-	-	8	1
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	1	2	-	-	1	2	-	-	-	-
Puerto Rico-----	1	12	3	80	1	12	3	78	-	-	-	-

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 30, 1960 AND APRIL 29, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	17th Week		Cumulative, first 17 weeks		082		17th Week		Cumulative, first 17 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	5	19	234	270	32	41	1,831	875	30,466	13,252	18,177	19,917
NEW ENGLAND-----	-	-	3	7	1	-	31	29	819	415	1,660	2,496
Maine-----	-	-	-	2	1	-	7	1	47	30	58	155
New Hampshire-----	-	-	-	-	-	-	5	4	55	15	90	74
Vermont-----	-	-	-	-	-	-	-	1	111	7	17	188
Massachusetts-----	-	-	3	4	-	-	4	13	270	214	749	1,214
Rhode Island-----	-	-	-	1	-	-	2	5	115	75	345	88
Connecticut-----	-	-	-	-	-	-	13	5	221	74	401	777
MIDDLE ATLANTIC-----	1	-	11	7	3	6	261	78	4,502	1,305	3,630	2,843
New York-----	1	-	4	1	2	4	87	37	1,799	652	1,178	2,188
New Jersey-----	-	-	-	1	-	1	68	9	1,103	111	1,106	517
Pennsylvania-----	-	-	7	5	1	1	106	32	1,600	542	1,346	138
EAST NORTH CENTRAL-----	-	-	7	22	5	2	448	195	5,985	2,624	5,121	5,916
Ohio-----	-	-	1	14	1	-	122	69	2,245	820	909	664
Indiana-----	-	-	1	3	-	-	59	24	1,007	371	261	635
Illinois-----	-	-	4	2	-	1	61	46	939	550	549	810
Michigan-----	-	-	1	3	4	1	199	54	1,654	754	1,524	1,574
Wisconsin-----	-	-	-	-	-	-	7	2	140	129	1,878	2,233
WEST NORTH CENTRAL-----	1	2	17	15	-	-	226	60	3,163	1,153	752	310
Minnesota-----	-	1	7	4	-	-	47	5	718	107	96	114
Iowa-----	-	-	1	2	-	-	56	10	877	211	255	45
Missouri-----	-	-	-	2	-	-	70	21	732	421	198	55
North Dakota-----	-	-	2	1	-	-	3	1	63	90	154	85
South Dakota-----	-	1	5	5	-	-	4	-	115	109	1	-
Nebraska-----	1	-	2	-	-	-	13	12	312	104	48	11
Kansas-----	-	-	-	1	-	-	33	11	346	111	NN	NN
SOUTH ATLANTIC-----	-	2	43	58	2	6	177	80	3,654	1,554	1,908	1,203
Delaware-----	-	-	-	-	-	-	2	8	101	78	57	14
Maryland-----	-	-	1	1	2	1	15	6	338	154	316	125
District of Columbia-----	-	-	2	-	-	-	1	-	39	11	5	59
Virginia-----	-	-	7	8	-	2	19	21	451	325	597	326
West Virginia-----	-	-	1	1	-	1	52	7	842	297	414	243
North Carolina-----	-	-	5	2	-	1	39	10	835	111	142	16
South Carolina-----	-	1	1	15	-	-	8	-	225	31	60	154
Georgia-----	-	1	8	10	-	-	1	2	374	129	45	1
Florida-----	-	-	18	21	-	1	40	26	449	418	272	265
EAST SOUTH CENTRAL-----	-	5	8	34	-	5	208	131	5,002	2,066	1,050	1,290
Kentucky-----	-	-	3	-	-	1	44	40	1,425	875	430	406
Tennessee-----	-	-	2	5	-	-	98	41	2,105	641	468	647
Alabama-----	-	1	1	17	-	3	22	41	807	403	66	75
Mississippi-----	-	4	2	12	-	1	44	9	665	147	86	162
WEST SOUTH CENTRAL-----	3	10	140	98	4	2	128	86	2,119	1,035	1,082	2,470
Arkansas-----	-	-	1	1	2	-	30	3	449	46	58	116
Louisiana-----	1	-	14	21	-	-	7	3	172	36	3	2
Oklahoma-----	-	-	2	5	-	1	15	14	158	159	20	144
Texas-----	2	10	123	71	2	1	76	66	1,340	794	1,001	2,208
MOUNTAIN-----	-	-	5	28	-	-	98	64	1,936	1,107	635	1,026
Montana-----	-	-	2	2	-	-	10	2	204	46	35	111
Idaho-----	-	-	-	11	-	-	13	8	111	153	46	104
Wyoming-----	-	-	-	5	-	-	7	-	84	8	22	1
Colorado-----	-	-	3	2	-	-	42	26	669	352	78	290
New Mexico-----	-	-	-	3	-	-	6	17	257	190	NN	-
Arizona-----	-	-	-	2	-	-	13	7	210	240	409	326
Utah-----	-	-	-	3	-	-	5	3	343	99	22	176
Nevada-----	-	-	-	-	-	-	2	1	58	19	23	18
PACIFIC-----	-	-	-	1	17	20	254	152	3,286	1,993	2,339	2,363
Washington-----	-	-	-	-	1	-	61	24	472	235	337	543
Oregon-----	-	-	-	-	-	-	28	25	566	382	230	571
California-----	-	-	-	-	15	20	156	98	2,101	1,234	1,759	1,138
Alaska-----	-	-	-	1	-	-	5	5	121	105	11	28
Hawaii-----	-	-	-	-	-	-	4	-	26	37	2	83
Puerto Rico-----	1	1	30	68	-	-	65	12	262	342	27	22

NN-Not Notifiable

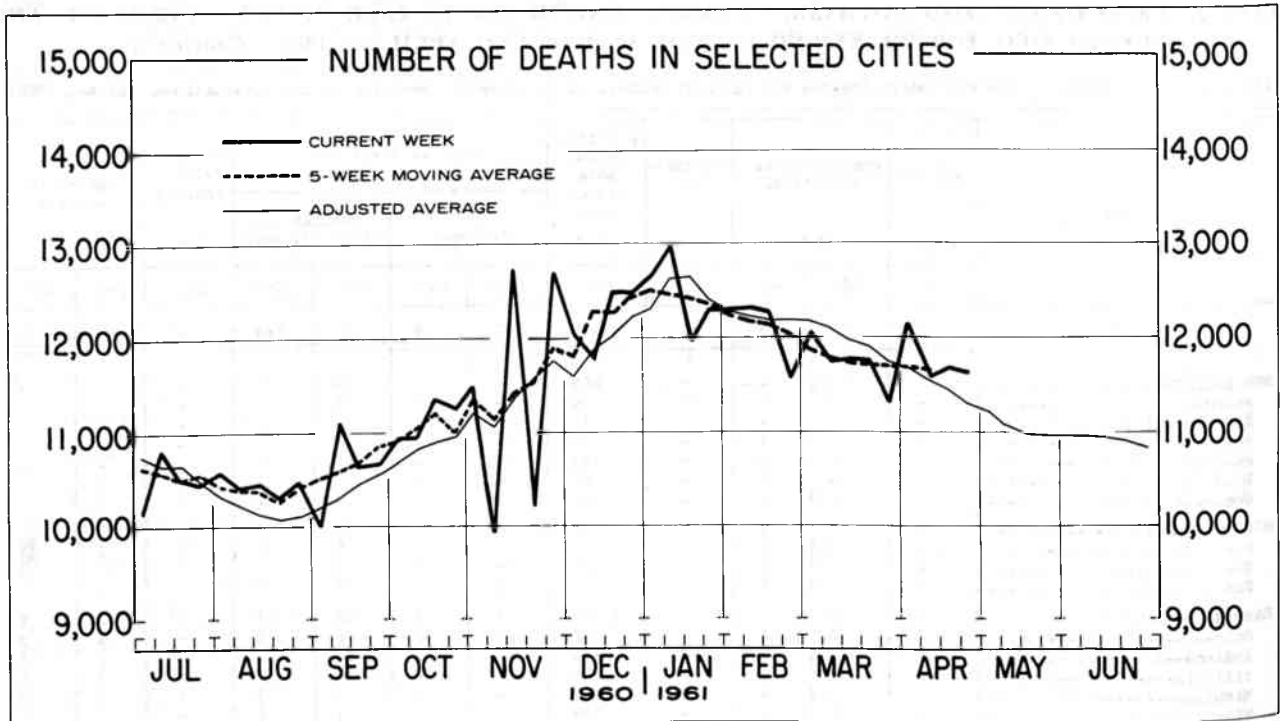
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 30, 1960 AND APRIL 29, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117	057		096.2	050,051	17th Week		Cumulative, first 17 weeks		101		
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	2	36	43	1	7,489	10	9	165	170	-	95	78
NEW ENGLAND-----	-	1	4	-	645	-	-	6	2	-	-	-
Maine-----	-	1	-	-	24	-	-	1	-	-	-	-
New Hampshire-----	-	-	-	-	15	-	-	-	-	-	-	-
Vermont-----	-	-	1	-	4	-	-	-	-	-	-	-
Massachusetts-----	-	-	3	-	185	-	-	1	2	-	-	-
Rhode Island-----	-	-	-	-	41	-	-	1	-	-	-	-
Connecticut-----	-	-	-	-	376	-	-	3	-	-	-	-
MIDDLE ATLANTIC-----	-	8	6	-	926	2	-	13	7	-	1	15
New York-----	-	3	3	-	560	-	-	5	5	-	1	14
New Jersey-----	-	2	1	-	188	-	-	1	-	-	-	-
Pennsylvania-----	-	3	2	-	178	2	-	7	2	-	-	1
EAST NORTH CENTRAL-----	-	10	9	-	1,000	1	2	22	23	-	12	8
Ohio-----	-	3	1	-	267	-	1	6	2	-	3	3
Indiana-----	-	-	3	-	173	1	1	3	8	-	3	1
Illinois-----	-	3	1	-	208	-	-	11	4	-	3	1
Michigan-----	-	3	4	-	164	-	-	1	5	-	3	3
Wisconsin-----	-	1	-	-	188	-	-	1	4	-	-	-
WEST NORTH CENTRAL-----	-	2	4	-	200	1	1	13	10	-	28	11
Minnesota-----	-	-	1	-	12	1	-	5	1	-	4	3
Iowa-----	-	-	-	-	69	-	-	1	-	-	12	2
Missouri-----	-	1	2	-	16	-	1	5	8	-	5	4
North Dakota-----	-	-	-	-	48	-	-	-	-	-	-	1
South Dakota-----	-	-	-	-	-	-	-	-	1	-	7	-
Nebraska-----	-	-	-	-	-	-	-	-	-	-	-	1
Kansas-----	-	1	1	-	55	-	-	2	-	-	-	-
SOUTH ATLANTIC-----	-	6	7	-	532	-	1	28	22	-	13	16
Delaware-----	-	-	-	-	10	-	-	-	-	-	-	-
Maryland-----	-	2	-	-	94	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	5	-	-	1	1	-	-	-
Virginia-----	-	-	1	-	138	-	-	1	3	-	7	8
West Virginia-----	-	1	1	-	191	-	-	4	1	-	3	4
North Carolina-----	-	1	-	-	30	-	-	6	7	-	-	-
South Carolina-----	-	1	1	-	7	-	-	2	6	-	-	2
Georgia-----	-	-	-	-	-	-	-	12	-	-	-	1
Florida-----	-	1	4	-	57	-	1	2	4	-	3	1
EAST SOUTH CENTRAL-----	-	4	2	-	1,297	1	2	21	32	-	15	8
Kentucky-----	-	2	-	-	285	-	-	4	11	-	3	5
Tennessee-----	-	-	-	-	943	1	-	15	17	-	11	3
Alabama-----	-	2	2	-	4	-	1	2	3	-	1	-
Mississippi-----	-	-	-	-	65	-	1	-	1	-	-	-
WEST SOUTH CENTRAL-----	-	1	2	-	865	3	2	27	47	-	20	17
Arkansas-----	-	-	-	-	8	-	-	3	15	-	5	7
Louisiana-----	-	1	-	-	4	1	-	4	12	-	1	-
Oklahoma-----	-	-	-	-	35	1	1	3	3	-	-	-
Texas-----	-	-	2	-	818	1	1	17	17	-	14	10
MOUNTAIN-----	-	1	2	-	1,047	1	1	15	12	-	2	-
Montana-----	-	-	2	-	38	-	-	1	5	-	-	-
Idaho-----	-	-	-	-	82	-	-	-	-	-	-	-
Wyoming-----	-	-	-	-	69	1	-	1	1	-	-	-
Colorado-----	-	1	-	-	288	-	-	5	-	-	-	-
New Mexico-----	-	-	-	-	216	-	-	3	4	-	1	-
Arizona-----	-	-	-	-	206	-	1	2	2	-	1	-
Utah-----	-	-	-	-	129	-	-	2	-	-	-	-
Nevada-----	-	-	-	-	19	-	-	1	-	-	-	-
PACIFIC-----	2	3	7	1	977	1	-	20	15	-	4	3
Washington-----	-	-	1	-	509	1	-	2	-	-	-	-
Oregon-----	-	2	1	-	73	-	-	-	-	-	-	-
California-----	2	1	4	1	350	-	-	18	15	-	4	3
Alaska-----	-	-	-	-	42	-	-	-	-	-	-	-
Hawaii-----	-	-	1	-	3	-	-	-	-	-	-	-
Puerto Rico-----	-	1	-	-	2	1	1	7	15	-	-	-



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates re-

ceived during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	17th week ended April 29, 1961	16th week ended April 22, 1961	Adjusted average, 17th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 17 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	11,631	11,638	11,294	+3.0	204,173	214,124	-4.6
New England----- (14 cities)	726	689	680	+6.8	12,544	13,548	-7.4
Middle Atlantic----- (20 cities)	3,350	3,331	3,161	+6.0	58,655	58,621	+0.1
East North Central----- (21 cities)	2,503	2,497	2,403	+4.2	43,036	46,032	-6.5
West North Central----- (9 cities)	833	816	810	+2.8	13,788	14,859	-7.2
South Atlantic----- (11 cities)	1,025	1,007	954	+7.4	17,645	18,858	-6.4
East South Central----- (8 cities)	508*	487	507	+0.2	9,347	9,841	-5.0
West South Central----- (13 cities)	993*	969	972	+2.2	17,565	18,932	-7.2
Mountain----- (8 cities)	326*	380	361	-9.7	6,488	6,621	-2.0
Pacific----- (13 cities)	1,367	1,462	1,446	-5.5	25,105	26,812	-6.4

\*Includes estimate for missing reports.

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Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	17th week ended April 29, 1961	16th week ended April 22, 1961	Cumulative, first 17 weeks		Area	17th week ended April 29, 1961	16th week ended April 22, 1961	Cumulative, first 17 weeks	
			1961	1960				1961	1960
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	246	251	4,312	4,743	St. Louis, Mo.-----	225	292	4,195	4,652
Bridgeport, Conn.-----	41	41	682	762	St. Paul, Minn.-----	63	63	1,159	1,281
Cambridge, Mass.-----	30	36	531	587	Wichita, Kans.-----	38	54	776	819
Fall River, Mass.-----	29	27	470	549	SOUTH ATLANTIC:				
Hartford, Conn.-----	47	48	823	856	Atlanta, Ga.-----	116	105	2,036	2,156
Lowell, Mass.-----	19	22	415	438	Baltimore, Md.-----	267	293	4,463	4,821
Lynn, Mass.-----	24	23	401	472	Charlotte, N.C.-----	38	19	624	794
New Bedford, Mass.-----	25	25	471	469	Jacksonville, Fla.-----	48	63	1,033	1,177
New Haven, Conn.-----	43	44	806	823	Miami, Fla.-----	68	75	1,309	1,368
Providence, R.I.-----	68	52	1,087	1,194	Norfolk, Va.-----	54	42	872	801
Somerville, Mass.-----	10	11	225	277	Richmond, Va.-----	89	62	1,402	1,515
Springfield, Mass.-----	50	48	838	874	Savannah, Ga.-----	33	26	596	689
Waterbury, Conn.-----	28	21	487	509	St. Petersburg, Fla.-----	(63)	(72)	(1,334)	(1,420)
Worcester, Mass.-----	66	40	996	995	Tampa, Fla.-----	63	77	1,212	1,243
MIDDLE ATLANTIC:					Washington, D.C.-----	217	208	3,417	3,571
Albany, N.Y.-----	54	43	834	798	Wilmington, Del.-----	32	37	681	723
Allentown, Pa.-----	36	42	608	644	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	167	139	2,565	2,654	Birmingham, Ala.-----	102	78	1,570	1,614
Camden, N.J.-----	40	52	757	791	Chattanooga, Tenn.-----	43	51	878	886
Elizabeth, N.J.-----	21	30	505	545	Knoxville, Tenn.-----	26	25	489	542
Erie, Pa.-----	37	41	693	700	Louisville, Ky.-----	111*	82	1,969	2,081
Jersey City, N.J.-----	90	99	1,252	1,293	Memphis, Tenn.-----	90	141	2,089	2,162
Newark, N.J.-----	104	105	1,838	1,821	Mobile, Ala.-----	48	33	729	789
New York City, N.Y.-----	1,684	1,712	30,242	29,760	Montgomery, Ala.-----	33	17	564	638
Paterson, N.J.-----	33	37	665	724	Nashville, Tenn.-----	55	60	1,059	1,129
Philadelphia, Pa.-----	510	509	9,166	8,995	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	217	186	3,345	3,542	Austin, Tex.-----	47	35	607	664
Reading, Pa.-----	25	21	374	435	Baton Rouge, La.-----	34	32	515	556
Rochester, N.Y.-----	103	91	1,766	1,838	Corpus Christi, Tex.-----	19	16	417	482
Schenectady, N.Y.-----	22	23	432	429	Dallas, Tex.-----	141	107	2,187	2,304
Scranton, Pa.-----	28	39	643	694	El Paso, Tex.-----	21	39	637	705
Syracuse, N.Y.-----	69	69	1,075	1,126	Fort Worth, Tex.-----	73	72	1,184	1,232
Trenton, N.J.-----	45	36	791	760	Houston, Tex.-----	195	109	2,988	3,137
Utica, N.Y.-----	21	24	512	518	Little Rock, Ark.-----	53	77	980	1,115
Yonkers, N.Y.-----	44	33	592	554	New Orleans, La.-----	176	164	2,979	3,380
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	70	84	1,357	1,394
Akron, Ohio-----	57	61	980	1,022	San Antonio, Tex.-----	83	127	1,823	1,933
Canton, Ohio-----	34	30	545	672	Shreveport, La.-----	53*	57	932	958
Chicago, Ill.-----	774	792	13,065	14,166	Tulsa, Okla.-----	28	50	959	1,072
Cincinnati, Ohio-----	153	157	2,750	2,968	MOUNTAIN:				
Cleveland, Ohio-----	240	186	3,643	3,925	Albuquerque, N. Mex.-----	23	45	548	553
Columbus, Ohio-----	141	122	2,008	2,229	Colorado Springs, Colo.-----	17	12	286	320
Dayton, Ohio-----	62	82	1,419	1,290	Denver, Colo.-----	99	104	2,033	2,211
Detroit, Mich.-----	315	347	5,807	6,349	Ogden, Utah-----	14*	13	268	309
Evansville, Ind.-----	33	40	635	700	Phoenix, Ariz.-----	82	104	1,501	1,439
Flint, Mich.-----	54	33	746	709	Pueblo, Colo.-----	19	19	288	265
Fort Wayne, Ind.-----	33	47	697	668	Salt Lake City, Utah-----	39	39	846	872
Gary, Ind.-----	41	19	536	555	Tucson, Ariz.-----	33	44	718	652
Grand Rapids, Mich.-----	37	44	786	749	PACIFIC:				
Indianapolis, Ind.-----	135	143	2,567	2,682	Berkeley, Calif.-----	18	10	287	312
Madison, Wis.-----	31	30	535	574	Fresno, Calif.-----	(48)	(47)	(771)	(864)
Milwaukee, Wis.-----	132	118	2,128	2,282	Glendale, Calif.-----	(15)	(31)	(555)	(728)
Peoria, Ill.-----	28	32	516	538	Honolulu, Hawaii-----	35	43	698	752
Rockford, Ill.-----	27	25	488	514	Long Beach, Calif.-----	63	65	1,039	996
South Bend, Ind.-----	23	30	486	528	Los Angeles, Calif.-----	515	508	9,022	9,760
Toledo, Ohio-----	102	88	1,713	1,870	Oakland, Calif.-----	95	90	1,687	1,769
Youngstown, Ohio-----	51	71	986	1,042	Pasadena, Calif.-----	25	31	572	646
WEST NORTH CENTRAL:					Portland, Oreg.-----	112	133	1,815	1,982
Des Moines, Iowa-----	60	61	916	1,003	Sacramento, Calif.-----	62	55	1,085	1,077
Duluth, Minn.-----	21	21	448	452	San Diego, Calif.-----	64	108	1,553	1,710
Kansas City, Kans.-----	39	37	680	635	San Francisco, Calif.-----	186	193	3,566	3,630
Kansas City, Mo.-----	182	79	2,223	2,391	San Jose, Calif.-----	(37)	(37)	(617)	(550)
Lincoln, Nebr.-----	(26)	(31)	(494)	(448)	Seattle, Wash.-----	102	129	2,288	2,541
Minneapolis, Minn.-----	131	140	2,161	2,242	Spokane, Wash.-----	53	45	787	844
Omaha, Nebr.-----	74	69	1,230	1,384	Tacoma, Wash.-----	37	52	706	793
*Estimate - based on average percentage of divisional total.					San Juan, P. R.-----	(45)	(25)	(592)	(613)
() Figures shown in parenthesis are from cities which have									

\*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

## SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

U. S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
Communicable Disease Service  
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